

CLAIMS

1. A method of intraframe transmission comprising:
dividing a digital image into a plurality of regions;
5 selecting a first region wherein said first region is encoded without interframe
compression; and
transmitting said regions.
2. The method of claim 1 wherein said regions comprise:
10 a non-overlapping rectangular group of pixels.
3. The method of claim 1 wherein said regions comprise:
a strip of pixels.
- 15 4. The method of claim 1 wherein said regions comprise:
a plurality of non-contiguous pixel groups.
5. The method of claim 1 wherein said step of selecting comprises:
determining one or more first groups of pixels wherein intraframe compression of
20 said first groups results in better compression than interframe compression; and
determining one or more second groups of pixels wherein said second groups
were not encoded without interframe compression within a number of transmissions.
6. The method of claim 1 wherein said step of selecting comprises:
25 assigning a first number to a first pixel group; and

selecting said first pixel group to be included in said first region for a transmission wherein said transmission is associated with a second number and said second number modulo a third number is equal to said first number wherein said third number is a total number of regions.

5

7. An intraframe transmission unit comprising:
a dividing unit configured to divide an I-frame into a plurality of regions;
a selection unit configured to select a first region wherein said first region is encoded without interframe compression; and
10 a transmitter configured to transmit said regions.

8. The intraframe transmission unit of claim 7 wherein said regions comprise:
a non-overlapping rectangular group of pixels.

15

9. The intraframe transmission unit of claim 7 wherein said regions comprise:
a strip of pixels.

20

10. The intraframe transmission unit of claim 7 wherein said regions comprise:
a plurality of non-contiguous pixel groups.

25

11. The intraframe transmission unit of claim 7 wherein said selection unit comprises:

a first determiner configured to determine one or more first groups of pixels wherein intraframe compression of said first groups results in better compression than interframe compression; and

5 a second determiner configured to determine one or more second groups of pixels wherein said second groups were not encoded without interframe compression within a number of transmissions.

12. The intraframe transmission unit of claim 7 wherein said selection unit comprises:

10 a labeler configured to assign a first number to a first pixel group; and

a second selection unit configured to select said first pixel group to be included in said first region for a transmission wherein said transmission is associated with a second number and said second number modulo a third number is equal to said first number wherein said third number is a total number of regions.

15 13. A computer program product comprising:

a computer usable medium having computer readable program code embodied therein configured for intraframe transmission, comprising:

20 computer readable code configured to cause a computer to divide an I-frame into a plurality of regions;

computer readable code configured to cause a computer to select a first region wherein said first region is encoded without interframe compression; and

computer readable code configured to cause a computer to transmit said regions.

14. The computer program product of claim 13 wherein said regions comprise:
a non-overlapping rectangular group of pixels.

15. The computer program product of claim 13 wherein said regions comprise:
a strip of pixels.

16. The computer program product of claim 13 wherein said regions comprise:
a plurality of non-contiguous pixel groups.

17. The computer program product of claim 13 wherein said computer
readable code configured to cause a computer to select comprises:

computer readable code configured to cause a computer to determine one or more
first groups of pixels wherein intraframe compression of said first groups results in better
compression than interframe compression; and

computer readable code configured to cause a computer to determine one or more
second groups of pixels wherein said second groups were not encoded without interframe
compression within a number of transmissions.

18. The computer program product of claim 13 wherein said computer
readable code configured to cause a computer to select comprises:

computer readable code configured to cause a computer to assign a first number to
a first pixel group; and

computer readable code configured to cause a computer to select said first pixel
group to be included in said first region for a transmission wherein said transmission is

associated with a second number and said second number modulo a third number is equal to said first number wherein said third number is a total number of regions.

0973569-020704